



## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### TECHNICAL COMMITTEE N° 100: AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT

## History of ITU-T, JTC 1, TC 100 cooperation

### 1 ITU-T, JTC 1, TC 100 High Level Meeting

#### 1.1 1st ITU-T, JTC 1, TC 100 High Level meeting (2008-11-20)

TC 100 held the first “High Level Meeting with ISO/IEC JTC 1, ITU-T and ETSI” on November 20th 2008 in Sao Paulo in order to implement Decision (132/9) of IEC Standard Management Board.

#### **SMB Decision 132/9 - TC 100/AGS – SMB/3752/R, SMB/3752A/CC**

The SMB agreed with the TC 100/AGS recommendation for a collaboration group between IEC TC 100 Chairman and Secretaries and relevant ITU-T Study Groups’ Chairmen on the subject of home-network and IDTV receiver standardizations on IPTV systems and/or equipment, and recommended representation from TC 100, JTC1, ITU and ETSI in order to set up a better cooperation between these different bodies.

The SMB invited ITU-T to concur.

Decisions of the first IEC TC 100 High Level Meeting on November 20, 2008

Decision 1: It was agreed to create an Ad-Hoc group to seek for **collaborative areas**.

Decision 2: **Dr. Hirakawa, Dr. Kawamori and Mr. Jameson** were nominated as starting members. They will ask other members to join Ad-Hoc meetings accordingly.

Decision 3: **Dr. Kawamori** proposed to focus on **terminal related areas** and the meeting agreed.

Decision 4: The possible Ad-Hoc meeting will be in **late April 2009 in Geneva**.

#### 1.2 1st ITU-T, JTC 1, TC 100 High Level adhoc meeting (2009-05-01)

The first ITU-T, JTC 1, TC 100 High Level adhoc meeting was held on May 1st, 2009, in Geneva.

The meeting identified the following collaboration areas:

Collaboration areas of IEC TC 100 and ITU-T relevant to IPTV and HN

- IPTV receiver and terminal Issues
- Home and end-user network issues
- Rights information interoperability
- Cable television facility Issues
- Other Issues
  - DTCP-over-IP
  - HDMI
- QoS issues within Home NW.
- Energy efficiency issues

#### 1.3 2nd ITU-T, JTC 1, TC 100 High Level adhoc meeting (2009-10-25)

The second ITU-T, JTC 1, TC 100 High Level adhoc meeting was held on October 25th, 2009, in Geneva.

In this meeting, collaborative activities among those organizations were reported.

The meeting recognized Smart metering and Smart grid issues as additional collaborative areas.

#### **1.4 3rd ITU-T, JTC 1, TC 100 High Level adhoc meeting (2010-05-22)**

The third ITU-T, JTC 1, TC 100 High Level adhoc meeting was held on May 22nd, 2010, in Heidelberg, Germany.

The following issues were identified as possible items for collaboration

For short term collaborations

- Rights Information Interoperability
- IPTV related/Internet TV
- Accessibility  
Accessibility issues are addressed between TC 100 and JTC 1 but should be extended to ITU-T
- 3D TV,  
3D IPTV in ITU-T terminology  
HDMI 3D interface specifications
- Smart Grid related  
ISO/IEC 14543-3-x with TV receiver interface bidirectional
- Requirements of home cabling using Fiber optics
- Broadband Forum TR-69 related

For longer term issues

- Information security

#### **1.5 4th ITU-T, JTC 1, TC 100 High Level adhoc meeting (2011-11-20)**

The fourth ITU-T, JTC 1, TC 100 High Level adhoc meeting was held on November 20th, 2011, in Geneva.

In the meeting, the following issues were raised and discussed.

- IPTV recommendations and OIPF standardization
- Universal Li-ion battery solution for mobile phone and other ICT device
- ITU-T FG AVA and stage 0 project on accessibility
- EPUB
- power consumption measurement or assessment for ICT

The following collaborative items were identified as short term collaborations:

- Rights Information Interoperability
- IPTV related/Internet TV
- Accessibility
- 3D TV,
- Smart Grid related
- Requirements of home cabling using Fiber optics
- Wireless power transmission
- Climate change and environmental issues
- IoT (Internet of Things)

## **1.6 5th ITU-T, JTC 1, TC 100 High Level adhoc meeting (2013-01-19)**

The fifth ITU-T, JTC 1, TC 100 High Level adhoc meeting was held on January 19th, 2013, in Geneva.

In the meeting, the following issues were addressed.

- Standardization of IPTV terminal specification compliant to ITU-T recommendation in TC 100
- ITU-T SG 9 J.HiNoC activity and FG SmartCable (for information)
- Concern on the expansion of scope of L.Adaptor
- ITU-T FG AVA and stage 0 project on AAL
- Green ICT (JTC 1/SC 39) and TA 13

The following collaborative items were identified as short term collaborations:

- Rights Information Interoperability
- IPTV related/Smart TV
- Glossary for IPTV, smart TV, 3DTV
- Accessibility and AAL
- 3D TV,
- Smart Grid related
- Requirements of home cabling using Fiber optics
- Wireless power transmission
- Climate change and environmental issues
- IoT (Internet of Things)
- eBook
- UHD TV
- DC distribution
- Multiple devices, screen interaction

Mr. Matei Cocimarov raised an issue how we can initiate the coordination in more coordinated manner. He proposed to prepare, for example, a matrix in which expertise of each organization is described to identify cooperative areas. He intended that if we could share the work among the related organizations at the very beginning stage, the energy for the coordination would be reduced.

This proposal initiated TC 100 PONT activity led by our Chairman.

## **1.7 6th ITU-T, JTC 1, TC 100 High Level adhoc meeting (2014-02-21)**

The sixth ITU-T, JTC 1, TC 100 High Level adhoc meeting was held on February 21st, 2014, in Geneva.

In the meeting, the following issues were addressed.

- NP on ITU-T recommendation compliant receiver specifications to TC 100
- IRG for Audio Visual Media Accessibility and IRG for Audio Visual Quality Assessment
- Conflict between ITU-T recommendation L. 1002 and IEC TS 62700
- How to improve the coordination activity

The PONT activity was introduced by TC 100 Chairman and the draft PONT Matrix was shown. There was a proposal to improve the matrix and it was reflected to the latest PONT matrix. It was accepted to continue discussion in TC 100 and TC 100 was requested to report on the progress in the next adhoc meeting.

## **2 PONT (Productive Overlap Net Team)**

A group named Productive Overlap Net Team (PONT) was created during the TC 100 AGS/AGM held in June 2013 proposed by TC 100 Chairman.

Some of the goals of this developing and on-going process will be to:

- have a broad view and list of actual and future areas that might reach the "sexiness" level leading to overlaps between SDOs
- get feedback as early as possible from the industry on their expectations (in term of standards) by using friendly SDO experts and if necessary IEC "young professionals"
- develop a matrix (also with "young professionals" help if need be) where the "sexy" areas are defined based on some commonly accepted criteria. Try at this stage to place, in relation, the various "skills" of the multiple SDOs
- strive to have the matrix make visible the "one SDO expertise" area(s) as well as the more difficult overlapping areas.
- continue to define a work distribution process that targets improved cooperation for efficient standards development

1st PONT net meeting 2013-09-03

2nd PONT net meeting 2013-09-10

3rd PONT meeting 2013-09-26 in Shenzhen

4 th PONT meeting 2014-05-20 in Seattle

5 th PONT meeting 2014-11-06 in Tokyo (Scheduled)

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